

# Comparisons of Job Characteristics

**Focus Occupation:** [Computer-Controlled Machine Tool Operators, Metal and Plastic \(51-4011\)](#)

**Associated Occupation:** [Etchers and Engravers \(51-9194\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 63

**Focus Occupation:** Computer-Controlled Machine Tool Operators, Metal and Plastic (51-4011)

**Associated Occupation:** Etchers and Engravers (51-9194)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Production and Processing	6.0	15.0	10.9	<<	Extensive education and/or training may be required
Computers and Electronics	8.4	13.4	8.5	<<	Extensive education and/or training may be required
Clerical	7.3	11.9	3.9	<<	Extensive education and/or training may be required
Design	5.2	10.0	6.2	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 79

**Focus Occupation:** Computer-Controlled Machine Tool Operators, Metal and Plastic (51-4011)

**Associated Occupation:** Etchers and Engravers (51-9194)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Operation Monitoring	6.6	8.5	13.2	>>	Skill level is likely more than sufficient
Quality Control Analysis	5.9	8.0	11.8	>>	Skill level is likely more than sufficient
Operation and Control	5.4	7.6	11.1	>>	Skill level is likely more than sufficient
Troubleshooting	4.5	6.6	9.2	>>	Skill level is likely more than sufficient
Equipment Maintenance	3.5	5.3	8.2	>>	Skill level is likely more than sufficient
Operations Analysis	5.0	5.1	6.2	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 69			
Focus Occupation: Computer-Controlled Machine Tool Operators, Metal and Plastic (51-4011) Associated Occupation: Etchers and Engravers (51-9194)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Arm-Hand Steadiness	6.8	12.1	11.2	0	Current ability level may be sufficient
Control Precision	6.6	11.2	12.2	0	Current ability level may be sufficient
Finger Dexterity	7.6	10.7	10.1	0	Current ability level may be sufficient
Manual Dexterity	6.5	10.2	10.7	0	Current ability level may be sufficient
Depth Perception	5.3	7.0	10.7	>>	Current ability level is likely more than sufficient
Rate Control	3.8	6.4	10.1	>>	Current ability level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 71
<b>Focus Occupation: Computer-Controlled Machine Tool Operators, Metal and Plastic (51-4011)</b> <b>Associated Occupation: Etchers and Engravers (51-9194)</b>		
Work Activities	Exclusivity of Activity	
Adjust production equipment/machinery setup	25	
Examine products or work to verify conformance to specifications	15	
Install equipment or attachments on machinery or related structures	48	
Load or unload material or workpiece into machinery	34	
Measure, weigh, or count products or materials	17	
Monitor production machinery/equipment operation to detect problems	27	
Operate metal or plastic fabricating equipment/machinery	54	
Read technical drawings	7	
Read work order, instructions, formulas, or processing charts	9	
Understand technical operating, service or repair manuals	6	
Use hand or power tools	2	
Use precision measuring tools or equipment	17	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

**Focus Occupation: Computer-Controlled Machine Tool Operators, Metal and Plastic (51-4011)**  
**Associated Occupation: Etchers and Engravers (51-9194)**

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.